What is claimed is:

1. A segmented processing method for a transport stream for a digital television comprising:

a first step that initializes the comparison object data of said transport stream of digital television;

5   a second step that, in order to carry out a two part search of said comparison object data of the transport stream of a digital television, initializes said two part search;

a third step that carries out said two part search on the upper word of said comparison object data of the transport stream of a digital television;

a fourth step that identifies whether or not data that matches said upper word is

10 present;

a fifth step that, in the case that data that matches said upper word is present, compares the lower word of said comparison object data of the transport stream of a digital television; and

a sixth step that, in the case that no data that matches said upper word is present,

15 returns to said third step.

2. A segmented processing method of the transport stream of a digital television according to claim 1, wherein the method comprises a section filter that filters the program information that is included in said transport stream processing for a digital television.

3. A segmented processing method of the transport stream of a digital television according to claim 1, wherein said comparison object data of said transport stream of a digital television has the format of section data.

4. A segmented processing method of the transport stream of a digital television according to claim 2, wherein the data that is compared by said section filter form a data table that is segmented into blocks by each index, and said upper 1 word has four elements: the ANDed comparison data and the mask data having a same index, the lower 1 word of said comparison data, the lower 1 word of mask data, and an index value.

5. A segmented processing method of the transport stream of a digital television according to claim 1, wherein, in said two part search, the number of data that are the object of the search is 2^{N-1} (where N is a positive integer).

6. A segmented processing method of the transport stream of a digital television according to claim 1, wherein said two part search finds the next search position by dividing the search range and the offset from the current search position into two equal parts, and adding or subtracting this to or from the search position.

7. A segmented processing method of the transport stream of a digital television according to claim 1, wherein said lower word prepares the overwriting of comparison data that changes every tens of milliseconds, and stores a pointer to a data table sorted by the index sequence.

8. A recording medium that records a segmented processing method of a transport stream of a digital television according to claim 1.